



Plato[®] WOOD

Sustainable inspiration



If you are in the building industry you know about the struggle to find sustainable materials that combine performance (stability, durability and low maintenance) with freedom of design while not compromising on looks.

Revealing the best!

Plato[®]wood offers a solution. Its revolutionary thermo treatment process dramatically improves the stability and durability of wood – while preserving all of its normal mechanical properties. The process is completely natural and does not involve any chemicals.

Standard non-durable softwood and hardwood species are upgraded into a wood product of consistent quality which can be used for a broad range of applications such as cladding, decking, fencing and even civil construction with direct ground and water contact.

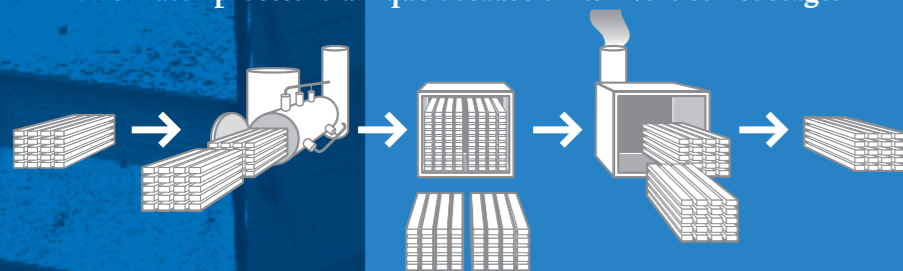
Plato[®]wood's impressive performance means you no longer need to choose hardwoods or chemically treated softwoods for your external projects. By using **Plato[®]wood** you contribute to the protection of the natural forests, thus reducing your carbon footprint and pressure on the declining stock of high quality timber.

An ever increasing number of developers, specifiers and contractors are being inspired by the unique properties of **Plato[®]wood**. As a result, many beautiful and sustainable projects using Plato Wood are being developed all around Europe and the U.K. Special plans and ideas come true because of **Plato[®]wood**. How about yours?

Benefits of Plato[®] wood:

- Superior durability and stability
- No chemicals used
- Woods sourced from certified sustainable forests
- No need for maintenance
- Available in fixed lengths for quick delivery
- Suitable for ground and fresh water contact
- Sections up to 120 mm thick and unlimited width
- LCA study showed that **Plato[®]wood** has substantially better environmental benefits compared to other materials such as preservative treated wood, Meranti, PVC, aluminium and steel.

The Plato[®] process is unique because of its five distinct stages:



Pre-drying stage in a conventional industrial wood kiln. Together with stage 3 this stage results in a high quality consistency.

1

Hydro-thermolysis stage, the timber is heated in an aqueous environment at superatmospheric pressure. This prepares the wood cells for thermo treatment.

2

Drying stage in a conventional industrial wood kiln using common procedures. Together with stage 1 this results in a high quality consistency.

3

Curing stage, the timber is heated once again, but now under dry and atmospheric conditions. This increases the stability and durability of the wood.

4

Conditioning stage, the moisture content of the timber is elevated to a level which is necessary for manufacturing. Conditioning is done in the same conventional industrial wood kiln as drying. This stage ensures the wood is ready for sawing and planing.

5



Plato International BV

Industrie Park Kleefse waard

Westervoortsedijk 73

P.O. Box 2159, 6802 CD Arnhem

The Netherlands

T +31 (0)26 366 4666

F +31 (0)26 366 1553

E info@platoewood.nl

www.platoewood.nl

Overview of standard profiles in stock:



- 1 Plato®wood Exloo**
Spruce, 18 x 140 mm



- 2 Platonium® Oslo**
Spruce, 18 x 139 mm



- 3 Platonium® Stockholm**
Spruce, 20/9 x 140 mm



- 4 Plato®wood Post**
Spruce, 66 x 66 mm and 85 x 85 mm



- 5 Plato®wood Beam**
Spruce, 40 x 66 mm



- 6 Plato®wood Decking**
Spruce, 27 x 140 mm



- 7 Platonium® Westminster**
Poplar, 18 x 139 mm



- 8 Platonium® Edinburgh**
Poplar, 20/9 x 140 mm

Also available in stock multiple sizes of rough wood. For further detailed information please download the standard profiles and rough wood information sheets on the website www.platoewood.nl

Plato®wood dealer: